Algebra 1

Lesson 12-5 *cont.*

Two- Way Frequency

Tables

Goal: to make and interpret two way frequency tables

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A two way frequency table is a convenient way to show data.

-can compare data by calculating ratios and percents.

-make predictions by recognizing relationships and trends

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A group of students were asked what they liked to do more as a kid: play with Legos or paint.

	Legos	painting	total
boys	37	8	45
girls	26	14	**40**
total	63	22	85

1). How many girls preferred painting?

2). How many student preferred Legos?

3). How many students took the survey?

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In our class, take a survey:

Questions:

	Play a game	Watch a movie
boys	|| , 3	|| 2
girls	(|||| 5	|/|(| 5

1)What percent of boys want play a game? $\frac{3}{5}$

2)What percent of students want to watch a movie? 60% $\frac{7}{15} = 46.7\%$

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Take a survey for the class on the following issue and record your results in a two-way frequency table:

	0-4 family meals a week	4 - 6 family meals a week	6 + family meals a week
support	|	(||)	
oppose	|||'	||||	||||

Topic: Should electronics be allowed at a family meal? $\frac{12}{15}$ $\frac{2}{6} = \frac{1}{3}$

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A survey was given to 80 students about which snack they would buy at a fundraiser. Find the missing pieces in the table.

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	popcorn ball	cookie	Total
9th/10 th grade	19	18	37
11th/12th grade	26	17	43
Total	45	35	80

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and worksheet

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